INDEX TO THE BULLETIN OF PROSTHETICS RESEARCH BPR 10-21 and BPR 10-22

Above Knee Prostheses Components
— Lower Limb Prosthetics Workshop 10-22(493)
Above Knee Prostheses, Suspension and Cosmesis
— Lower Limb Prosthetics Workshop 10-22(493-494)
Acceleration of Bone Healing by Electrical Stimulation
— Contractor Reports, St. Luke's Hospital Center, New York, New York 10-21(141-142)
Acceleration of Bone Healing by Electrical Stimulation: George Van B. Cochran 10-22(291-294)
Acoustic Cues for Mobility of the Blind
— Sensory Aids Workshop 10-22(509-510)
Adaptive Automotive Equipment Standards
— VAPC Research 10-22(474)
Administrative Aspects: Eugene F. Murphy 10-22(489)
Advanced Wheelchair—Clinical Evaluation, Illustrated
— VAPC Research Report 10-21(97-98)
Advanced Work on External Energy Systems
— Upper Limb Prosthetics Workshop 10-22(507-508)
Allen, James
— Mobile Bed/Wheelchair Development (Perry, J. and Allen, J.) 10-22(370-376)
Alson, Lola
— Wheelchair Assembly and Body Supporting Insert Therefor, Recent Patents 10-22(529)
American Institutes for Research (AIR), Palo Alto, California, Contractor Report
— Reading of Printed Materials by the Blind 10-21(167-170)
Angle Adjustment Unit for Prostheses and Orthoses
— Recent Patents, Franz Gelbenegger 10-22(528)
Ankle-Foot Orthoses (AFO's)
— Orthotics Workshop 10-22(499)
— Polypropylene Material 10-22(121)
APL Electric Prosthesis, Illustrated
— VAPC Research Report 10-21(74-77)
Apple, Loyal E.
— Current State of the VA Research Effort at the Western Blind Rehabilitation Center 10-22(458-462)
— Experience with Closed Circuit Television in the Blind Rehabilita-

INDEX TO THE BULLETIN OF PROSTHETICS RESEARCH BPR 10-21 and BPR 10-22

Above Knee Prostheses Components
— Lower Limb Prosthetics Workshop 10-22(493)
Above Knee Prostheses, Suspension and Cosmesis
— Lower Limb Prosthetics Workshop 10-22(493-494)
Acceleration of Bone Healing by Electrical Stimulation
— Contractor Reports, St. Luke's Hospital Center, New York, New York 10-21(141-142)
Acceleration of Bone Healing by Electrical Stimulation: George Van B. Cochran 10-22(291-294)
Acoustic Cues for Mobility of the Blind
— Sensory Aids Workshop 10-22(509-510)
Adaptive Automotive Equipment Standards
— VAPC Research 10-22(474)
Administrative Aspects: Eugene F. Murphy 10-22(489)
Advanced Wheelchair—Clinical Evaluation, Illustrated
— VAPC Research Report 10-21(97-98)
Advanced Work on External Energy Systems
— Upper Limb Prosthetics Workshop 10-22(507-508)
Allen, James
— Mobile Bed/Wheelchair Development (Perry, J. and Allen, J.) 10-22(370-376)
Alson, Lola
— Wheelchair Assembly and Body Supporting Insert Therefor, Recent Patents 10-22(529)
American Institutes for Research (AIR), Palo Alto, California, Contractor Report
— Reading of Printed Materials by the Blind 10-21(167-170)
Angle Adjustment Unit for Prostheses and Orthoses
— Recent Patents, Franz Gelbenegger 10-22(528)
Ankle-Foot Orthoses (AFO's)
— Orthotics Workshop 10-22(499)
— Polypropylene Material 10-22(121)
APL Electric Prosthesis, Illustrated
— VAPC Research Report 10-21(74-77)
Apple, Loyal E.
— Current State of the VA Research Effort at the Western Blind Rehabilitation Center 10-22(458-462)
— Experience with Closed Circuit Television in the Blind Rehabilita-

tion Program of the Veterans Administration (Mehr, Edwin B., Frost, Alan B., and Apple, Loyal E.) 10-21(54-68)
— New AFB Executive Director, Notes and News 10-22(525-526)
Articulated Ankles
— Lower Limb Prosthetics Workshop 10-22(491)
Artificial Foot
— Recent Patents, John L. Orange 10-21(177)
Artificial Foot Having Ankle Flexible Mount
— Recent Patents, Michael W. Ryan 10-21(177)
ASTM Forms Committee on Orthotics and External Prosthetics
— Notes and News 10-22(522)
Audible Output Research of Reading Machines for the Blind
— Contractor Reports, Haskins Laboratories, Inc., New Haven, Connecticut 10-21(153-158)
Automotive Aids for the Handicapped: Anton Reichenberger 10-22(53-54)
Automotive Driving Aids
— Contractor Reports, Texas A&M University, College of Engineering, College Station, Texas 10-21(138-139)
Avery, Roger
— A Sensory Feedback System for an Upper-Limb Amputation Prosthesis (Clippinger, F.W., Avery, R., and Titus, B.R.) 10-22(247-258)
Barnett, M. Robert.
— Retiring from AFB, Notes and News 10-21(174-175)
Basic Theme of Cooperation: Eugene F. Murphy 10-22(1-4)
Battery Monitor for Powered Wheelchairs, Illustrated
— VAPC Research Report 10-21(86-88)
Bed Chair
— Contractor Reports, Professional Staff Association of the Rancho Los Amigos Hospital, Inc., Downey, California 10-21(149-150)
Below Knee Amputation for Vascular Insufficiency with Immediate Postoperative Fitting of Prosthesis
— Contractor Reports, VA Hospital, San Francisco, California 10-21(128)
Below Knee Prostheses Components
— Lower Limb Prosthetics Workshop 10-22(492)
Below Knee Prostheses Cosmetic Covering
— Lower Limb Prosthetics Workshop 10-22(492-493)
Below Knee Prostheses Socket Design
— Lower Limb Prosthetics Workshop 10-22(492)
Below Knee Prostheses Suspension
— Lower Limb Prosthetics Workshop 10-22(492)
Benjamin, J. Malvern, Jr.
— Laser Cane 10-22(443-450)

Bennett, Leon
— Transferring Load to Flesh 10-22(133-143)
— Transferring Load to Flesh, Part VII. Gel Liner Effects 10-21(23-53)
Bibliography Published on Architectural Barrier-Free Designs for the Handicapped
— Notes and News 10-22(524)
Billock, John N.
— Search for Better Limbs: Prosthetics Research at Northwestern University (Childress, D.S., Billock, J.N., and Thompson, R.G.) 10-22(200-212)
Binaural Hearing Aids, Development of Test Procedures for Evaluation
— Contractor Reports, School of Speech, Northwestern University, Evanston, Illinois 10-21(165-166)
Biomechanical Studies of Human Locomotion
— Cyclic Event Markers 10-22(170-171)
— Data Control Information 10-22(178-180)
— Forces and Moments in the Lower Limb 10-22(172-173)
— Gait Evalution 10-22(181-183)
— Instrumented Walkway 10-22(168-169)
— Self-Aligning Goniometry 10-22(173-177)
Bionic Instruments, Inc., Bala Cynwyd, Pennsylvania, Contractor Reports
— Fabrication of Obstacle Detectors for the Blind 10-21(151-153)
Blind Rehabilitation Research
— Contractor Reports, Eastern Blind Rehabilitation Center, VA Hospital, West Haven, Connecticut 10-21(170-173)
Blood Flow Rates
— Standard Clearance Formula 10-22(106)
Bone Healing by Electrical Stimulation
— Development Techniques 10-22(291-292)
— First Year Results 10-22(292)
Bonnel, Francois
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E. Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Book Review: Gustav Rubin
— Spinal Cord Injuries; Comprehensive Management and Research, Sir Ludwig Guttmann 10-22(530-531)
Brebic, Jean-Marie
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Burgess, Ernest M.

— Surgery as Related to Prosthetics and Orthotics 10-22(15-21)
— Wound Healing 10-22(109-113)
Burstein, Albert H.
— In Vivo Loading on Knee Joint Replacement (Burstein, A.H., Frankel, V.H., and Marsolais, E.B.) 10-22(193-199)
Butow, Margaret
— Teaching the Stereotoner; Its Problems and Rewards 10-22(433-435)
Carhart, Raymond
— Research on Hearing-Aid Design 10-22(420-423)
Castle Point, VA Hospital, New York, Contractor Reports
— Hemodynamic Evaluation of Postoperative and Preoperative Amputee 10-21(142-143)
Causey, G. Donald
— Hearing Aids 10-22(424-426)
— Hearing Aids and the Veterans Administration 10-22(55-63)
Centrally Directed Clinical Application Program in Mobility and Reading Aids for the Blind
— Contractor Reports, Western Blind Rehabilitation Center, VA Hospital, Palo Alto, California 10-21(163-165)
Centrally Directed Clinical Application Program in Reading and Mobility Aids for the Blind
— Central Rehabilitation Section for Visually Impaired and Blinded Veterans, VA Hospital, Hines, Illinois 10-21(160-161)
Cervical Orthoses
— Orthotics Workshop 10-22(500)
Cervico-Thoracic Orthoses
— Orthotics Workshop 10-22(500)
C-5 Laser Cane
— Financial Cost 10-22(449-450)
— Operational Characteristics 10-22(446-448)
Chase, Michael H.
— Survey of Implanted Electrodes 10-22(259-260)
Childress, Dudley S.
— Search for Better Limbs: Prosthetics Research at Northwestern University (Childress, D.S., Billock, J.N., and Thompson, R.G.) 10-22(200-212)
Chisholm, Donald
— Motorized Wheelchair, Recent Patents 10-22(528)
Clinical Application of Electrode Implantation in the Human Body
— Contractor Reports, Brain Information Service, University of California at Los Angeles 10-21(147-148)
Clinical Engineer and the Spinal-Cord-Injured Person: Peter C. Hofstra 10-22(37-40)

Clinical Gait Analyzer
— Components 10-22(189-192)
— Contractor Reports, Professional Staff Association of the Rancho Los Amigos Hospital, Inc., Downey, California 10-21(149-150)
— Development 10-22(188-189)
Clinical Gait Analyzer: Jacquelin Perry 10-22(188-192)
Clinical Trials of Reading Machines for the Blind
— Contractor Reports, Central Rehabilitation Section for Visually Impaired and Blinded Veterans, VA Hospital, Hines, Illinois 10-21(161-162)
Clippinger, Frank W.
— Sensory Feedback System for an Upper-Limb Amputation Prosthesis (Clippinger, Frank W., Avery, R., and Titus, B.R.) 10-22(247-258)
Cloran, Arthur J.
— Telescopic Stick for Paralytics, Recent Patents 10-22(529)
Closed Circuit Television
— VA Blind Rehabilitation Program 10-21(54-68)
Closed Circuit Television Compared to Optical Aids
— VA Blind Rehabilitation Program 10-21(66-68)
Cochran, George Van B.
— Acceleration of Bone Healing by Electrical Stimulation 10-22(291-294)
Coiffet, Phillippe
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Colorado State University, Department of Electrical Engineering, Fort Collins, Colorado, Contractor Reports
— Control of an Artificial Upper Limb in Three Degrees of Freedom 10-21(139-141)
Committee on Prosthetics Research and Development and Committee on Prosthetic-Orthotic Education, National Research Council, National Academy of Sciences, Washington, D.C.
— Committee on Prosthetic-Orthotic Education's Activities 10-21(114-115)
— Governmental Relationships 10-22(486)
— Operational Concept 10-22(485-486)
— Organization of CPRD 10-22(483-485)
— Organization of Research Program 10-22(478-480)
— Present Program Organization 10-22(482-483)
— Prosthetics Education Program 10-22(481-482)
— Public Law 729-10-22(480)
— Publications 10-21(117-118)

— Special Meetings and Activities 10-21(115-117)
— Subcommittee on Child Prosthetics Problems 10-21(110)
— Subcommittee on Design and Development 10-21(112)
— Subcommittee on Evaluation 10-21(112-114)
— Subcommittee on Fundamental Studies 10-21(109)
— Subcommittee on Sensory Aids 10-21(110-111)
— Suction Socket Schools 10-22(480)
Communication Devices
— VAPC Research 10-22(475-476)
Compere, Clinton
— Welcoming Address, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974 10-22(5-8)
Composite Endoskeletal Structures
— VAPC Research 10-22(270)
— VAPC Research Report 10-21(70-72)
Compressive Stress
— Socket Design 10-22(135)
Control of an Artificial Upper Limb in Three Degrees of Freedom
— Contractor Reports, Colorado State University, Department of Electrical Engineering, Fort Collins, Colorado 10-21(139-141)
Control of Upper-Limb Prostheses in Several Degrees of Freedom: Daniel Graupe 10-22(226-236)
Controlled Early Ambulation of Heel Surface Defects Covered by Pedicle Flaps in Lower-Limb Amputees:James H. Herndon, Alcide M. LaNoue, and Stanley P. Frileck 10-21(9-22)
Cooper, Franklin S.
— Current Status of Reading Machine Research at Haskins Laboratories 10-22(439-442)
Correspondence Course Development for Personal Reading Aids for the Blind
— Contractor Reports, Hadley School for the Blind, Winnetka, Illinois 10-21(162-163)
Cosmetic Covers for Lower-Limb Prostheses
— Hans A. Mauch 10-22(410)
— Thomas A. Krouskop, Paul H. Newell, Jr., and Lewis A. Leavitt 10-22(411-414)
— Charles W. Radcliffe 10-22(415-416)
Crapanzano, Russell S.
— Gravity Activated Prosthetic Device, Recent Patents 10-22(528)
Crutch Tip with Insert
— Recent Patents, Ted F. Urban 10-21(177)
Cunningham, Don M.
— Variable Height Powered Wheelchair for the Quadriplegic Driver 10-22(337-369)

Curb and Stair Climbing Devices 10-22(346)
Current State of the Art; Needs of the VA: Anthony Staros 10-22(13-14)
Current State of the Effort
— Administrative Aspects: Eugene F. Murphy 10-22(487)
— Amputation Surgery and Prosthetics: Eugene F. Murphy, Moderator 10-22(79-84)
— Electrical Stimulation: Eugene F. Murphy, Moderator 10-22(245-246)
— New Materials: Eugene F. Murphy, Moderator 10-22(406-407)
— Orthotics, Spinal Cord Injury, and Other Disabilities: Eugene F. Murphy, Moderator 10-22(295-297)
— Sensory Aids: Howard Freiberger, Moderator 10-22(417-419)
— Special Programs 10-22(469-486)
Current State of the Research Effort at Veterans Administration Hospital, Hines, Illinois: John D. Malamazian and Harvey Lauer 10-22(451-457)
Current State of the VA Research Effort at the Western Blind Rehabilitation Center: Loyal E. Apple 10-22(458-462)
Current Status of and Future Considerations for Environmental Control Systems: Robert Green 10-22(310-325)
Current Status of Reading Machine Research at Haskins Laboratories: Franklin S. Cooper 10-22(439-442)
Current Status—Prosthetic Materials for Maxillofacial Reconstruction: James W. Schweiger and John F. Lontz 10-22(408-409)
Custom Designed Vehicles Accepting Standard Wheelchairs 10-22(338-339)
Davis, Ross
— Evaluation of Electrical Stimulation as a Treatment for the Reduction of Spasticity (Davis, R. and Gesink, J.W.) 10-22(302-309)
— Transcutaneous Nerve Stimulation for Treatment of Pain in Spinal-Cord-Injured Patients (Davis, R. and Lentini, R.) 10-22(298-301)
De l'Aune, William
— Research at the Eastern Blind Rehabilitation Center (Gillispie, G.M. and De l'Aune, W.) 10-22(463-468)
Design Training Program in Health Care Systems
— Notes and News 10-21(175-176)
Developing a Permanently Attached Artificial Limb: C. William Hall 10-22(144-157)
Development of Artificial Limbs for Lower Limbs: Hans A. Mauch 10-22(158-166)
Development of Living Skills by the Handicapped: Robert A. Weisgerber 10-22(436-438)
Development of Personal Reading Machines for the Blind: Hans A.

Mauch and Glendon C. Smith 10-22(427-432)
Development of Refined Fitting Procedures for Lower Limb Prostheses: Augusto Sarmiento 10-22(114-132)
Device for Sensing and Warning of Excessive Ambulation Force
— Recent Patents, Erich A. Pfeiffer 10-21(177)
Diamondhead Corporation-Mobilizer, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(100,102)
Dixon, Malcolm
— Orthotics (Rubin, G. and Dixon, M.) 10-22(26-36)
Dombre, Etienne
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Driver Safety in Modified Vans: Charles M. Scott 10-22(377-387)
Dudley Controls—Electrically Powered Wheelchairs, Illustrated
— VAPC Research Report 10-21(94-97)
Eastern Blind Rehabilitation Center, VA Hospital, West Haven, Connecticut
— Correlates of Adjustment Rankings by Blind Rehabilitation Specialists 10-22(465-466)
— Evalution of Parameters Affecting Successful Prism Use by Veterans with Visual Field Restrictions 10-22(466-467)
— Evaluation of the Mowat Sonar Sensor 10-22(465)
— Evaluation of Variables Involved in Effective Use of Low Vision Aids by Veterans 10-22(467)
— Indicators of Blinded Veterans' Capacity to Use Time Compressed Speech 10-22(464)
— Psychological Evaluations for Central Nervous System Dysfunction in Blinded Veterans 10-22(467)
— Relationship of Velocity to Extent of Veer in Sightless Ambulation 10-22(464-465)
— Type Font Parameters Affecting Reading Device Use 10-22(467-468)
Education
— Spinal Cord Injury Patient Workshop 10-22(515)
Electric Litters
— System Description 10-22(329)
Electric Wheelchairs
— Motor Package Development 10-22(326-327)
— Proportional Joystick Operated Electronic Controller 10-22(327)
— Required Performance Specifications 10-22(326)
Electrical Stimulation: Eugene F. Murphy 10-22(245-246)
Electrical Stimulation of Limbs
— Choice of Stimulating Electrodes 10-22(264)

— Control Force in Isometric Mode 10-22(274-275)
— Control of Isotonic Contraction 10-22(282-286)
— Criterion of the Maxima 10-22(280-281)
— Electrical Stimulator 10-22(264-265)
— Experimental Procedure 10-22(267-268)
— Means of Muscle Excitation 10-22(262-263)
— Minimization of Energy 10-22(275-279)
— Minimization of Response Time 10-22(279-280)
— Modeling of Articular System 10-22(284-286)
— Muscle Response Measurements 10-22(265-267)
— Problem of Fatigue 10-22(286-288)
— Results with Isometric Contractions 10-22(268-272)
— Search for Isometric Muscle Control 10-22(272-273)
Electrical Stimulation of Limbs: Pierre Rabischong, Francois Bonnel, Etienne Dombre, Edouard Peruchon, Philippe Coiffet, Blaine Fournier, and Jean-Marie Brebic 10-22(261-290)
— Part I—Basic Studies 10-22(261-272)
— Part II—Open Loop Control of Muscular Contraction 10-22(273-290)
Electroacoustic Measures
— Hearing Aid Quality 10-22(424-426)
Electro-Hydraulic Automotive Hand Control System
— VAPC Research 10-22(474)
End Point Control of Upper Extremity Orthotic Brace Using Head Orientation
— Recent Patents, John H. Friedman 10-21(178)
English Language Edition of Book on the EEG's of Blind Persons Published
— Notes and News 10-22(527)
Environmental Control
— Spinal Cord Injury Patient Workshop 10-22(514)
Environmental Control System
— Existing Environmental Control Systems 10-22(312-322)
— Hayes Sight Switch Environmental Control System 10-22(316-317)
— Northwestern University Comfort and Communication System 10-22(320-322)
— Output Elements 10-22(312)
— PILOT 10-22(314)
— POSSUM 10-22(316)
— Prentke-Romich Paratrol 10-22(312-313)
— Signal Processor 10-22(311)
— SONOTROL 10-22(315)
— Suggested Improvements 10-22(323-325)
— Transduction Element 10-22(310)

— Transmission Mechanism 10-22(311)
— VAPC Hospital System 10-22(317-320)
Environmental Controls and Mobility Aids
— VAPC Research Report 10-21(81-97)
Evaluation of Electrical Stimulation as a Treatment for the Reduction of Spasticity: Ross Davis and John W. Gesink 10-22(302-309)
Everest & Jennings Twenty-Four-Volt Electric Wheelchair, Hand and Chin Controlled, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(98-100)
Exer-Shoe
— VAPC Research Report 10-21(107)
Experience with Closed Circuit Television in the Blind Rehabilitation Program of the Veterans Administration: Edwin B. Mehr, Alan B. Frost, and Loyal E. Apple 10-21(54-68)
Externally Powered Orthoses
— VAPC Research 10-22(472)
Externally Powered Upper Limb Prosthesis
— Contractor Reports, Johns Hopkins University Applied Physics Laboratory, Silver Spring, Maryland 10-21(128-136)
FAA Proposed Air Travel Regulations Opposed by Easter Seal Society
— Notes and News 10-22(525)
Fabrication of Obstacle Detectors for the Blind
— Contractor Reports, Bionic Instruments, Inc., Bala Cynwyd, Pennsylvania 10-21(151-153)
First Formal University Sponsored Course in Prosthetics Took Place in Spain
— Notes and News 10-21(175)
First Ten Years—An Index: Earl A. Lewis 10-21(1-2)
Foldable Electric Wheelchair
— Development Effort 10-22(329)
Foot Control for Electrically Powered Wheelchairs, Illustrated
— VAPC Research Report 10-21(88-89)
Foot Orthoses
— Orthotics Workshop 10-22(499)
Fournier, Blaine
— Electrical Stimulation of Limbs, (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Fowler, John H.
— Lift Device, Recent Patents 10-21(178)
Fracture Orthoses 10-22(117-120)
Frankel, Victor H.
— In Vivo Loading on Knee Joint Replacement (Burstein, A.H., Frankel, V.H., and Marsolais, E.B.) 10-22(193-199)

Freedy, Amos
— Studies Toward a Practical Computer-Aided Arm Prosthesis System (Lyman, J., Freedy, A., and Solomonow M.J.) 10-22(213-225)
Freiberger, Howard A.
— Mobility Aids for the Blind 10-22(73-78)
— Sensory Aids 10-22(417-419)
— Workshop Panel Discussions 10-22(489)
Friedman, Jon H.
— End Point Control of Upper Extremity Orthotic Brace Using Head Orientation, Recent Patents 10-21(178)
Frileck, Stanley, P.
— Controlled Early Ambulation of Heel Surface Defects Covered by Pedicle Flaps in Lower Limb Amputees (Herndon, James H., LaNoue, Alcide M., and Frileck, Stanley P.) 10-21(9-22)
Frost, Alan B.
— Experience with Closed Circuit Television in the Blind Rehabilitation Program of the Veterans Administration. (Mehr, Edwin B., Frost, Alan B., and Apple, Loyal E.) 10-21(54-68)
Gardner, Harris L.
— Knee Brace, Recent Patents 10-22(528)
Gardner, Henry F.
— Prosthetics 10-22(22-25)
Gasoline Powered Mobility Aids 10-22(47-48)
Gaymar High Density Fluid (HDF) Support System, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(103-104)
Gelbenegger, Franz
— Angle Adjustment Unit for Prostheses and Orthoses, Recent Patents 10-22 (528)
General Discussion and Closing Remarks: Eugene F. Murphy 10-22(517-520)
Gershenson, Monroe J.
— Twenty-Five Years of Progress (Gershenson, Monroe J. and Holsberg, Wilfred G.) 10-21(3-8)
Gesink, John W.
— Evaluation of Electrical Stimulation as a Treatment for the Reduction of Spasticity (Davis, R. and Gesink, J.W.) 10-22(302-309)
Gillispie, George M.
— Research at the Eastern Blind Rehabilitation Center (Gillispie, G.M. and De l'Aune, W.) 10-22(463-468)
Golf-Cart-Type Vehicles 10-22(47-48)
Graphite Fiber Composite Keel for SACH Feet
— VAPC Research 10-22(470-471)
Graupe, Daniel

— Control of Upper-Limb Prostheses in Several Degrees of Freedom 10-22(226-236)
Gravity Activated Prosthetic Device
— Recent Patents, Russell S. Crapanzano 10-22(528)
Green, Robert
— The Current Status of and Future Considerations for Environmental Control Systems 10-22(310-325)
Guttman, Sir Ludwig 10-22(530-531)
Hadley School for the Blind, Winnetka, Illinois, Contractor Reports
— Development of Correspondence Courses for Personal Reading Aids for the Blind 10-21(162-163)
Hall, William C.
— Developing a Permanently Attached Artificial Limb 10-22(144-157)
Hall, Thomas D.
— Orthopedic Heel, Recent Patents 10-22(529)
Hand Controls for Auto or Van Driving 10-22(340)
Handel, Alexander F.
— Recipient of 1974 Migel Medal, Notes and News 10-22(526-527)
Harris, E.E.
— Orthotics Workshop 10-22(496-502)
Haskins Laboratories, Inc., New Haven, Connecticut, Contractor Reports
— Research on Audible Outputs of Reading Machines for the Blind 10-21(153-158)
Hayes, Pneumatic Control for Wheelchairs—Clinical Evaluation
— VAPC Research Report 10-21(97)
Hearing Aids
— Review of the State of the Art 10-22(55-63)
— Sensory Aids 10-22(511)
— Veterans Administration Hearing Aid Program 10-22(59-63)
Hearing Aids: G. Donald Causey 10-22(424-426)
Hearing Aids and the Veterans Administration: G. Donald Causey 10-22(55-63)
Hemodynamic Evaluation in Selection of Amputation Level: Bok Y. Lee 10-22(85-104)
Hemodynamic Evaluation of Amputation Levels
— Blood Velocity 10-22(89)
— Doppler Ultrasonic Flowmetry 10-22(89)
— Electrical Impedance Plethysmography 10-22(89-90)
— Level of Amputation 10-22(100-101)
— Noninvasive Electromagnetic Flowmetry 10-22(90-91)
— Number of Amputations 10-22(101-103)
— Peripheral Pulse Transmission Time Analysis 10-22(94-96)

— Representative Case Studies 10-22(96-100)
— Square Wave Electromagnetic Flowmetry 10-22(86-89)
— Thermistor-Thermometry and Liquid Crystal Thermography 10-22(92-95)
— Vascular Test Procedures 10-22(85-86)
Hemodynamic Evaluation of Postoperative and Preoperative Amputee
— Contractor Reports, VA Hospital, Castle Point, N.Y. 10-21(142-143)
Herndon, James H.
— Controlled Early Ambulation of Heel Surface Defects Covered by Pedicle Flaps in Lower-Limb Amputees (Herndon, James H., LaNoue, Alcide M., and Frileck, Stanley P.) 10-21(9-22)
Hines, Illinois, Central Blind Rehabilitation Center
— Electronic Mobility Aids Program 10-22(453-454)
— Low Vision Program 10-22(454-457)
— Reading Machines Research 10-22(451-453)
Hines, Illinois, VA Hospital, Central Rehabilitation Section for Visually Impaired and Blinded Veterans, Contractor Reports
— Clinical Trials of Reading Machines for the Blind 10-21(161-162)
— Reading and Mobility Aids for the Blind, Centrally Directed Clinical Application Program 10-21(160-161)
Hip Disarticulation
— Lower Limb Prosthetics Workshop 10-22(494)
Hip-Knee-Ankle Orthoses
— Orthotics Workshop 10-22(500)
Hobson, Douglas A.
— Lower Limb Prosthetics Workshop 10-22(490-495)
Hofstra, Peter C.
— The Clinical Engineer and the Spinal-Cord-Injured Person 10-22(37-40)
Hold Down System for Van Passenger in Wheelchair
— VAPC Research 10-22(474)
Holsberg, W.G.
— Honored by BVA, Notes and News 10-22(526)
— Twenty-Five Years of Progress (Gershenson, Monroe J. and Holsberg, Wilfred G.) 10-21(3-8)
Home Environmental Control Systems
— VAPC Research 10-22(474-475)
Hosmer Electrically Powered Orthoses
— VAPC Research Report 10-21(79)
Hospital Environmental Control Systems
— VAPC Research 10-22(474)
Hydraulic Ankle

— System Description 10-22(160-169)
Hydraulic Flexion Control Device
— Recent Patents, Charles M. Scott 10-22(528)
Immediate Postoperative Application of Upper Extremity Orthoses
— Contractor Reports, VA Hospital, Richmond, Virginia 10-21(137-138)
Immediate Postoperative Application of Upper-Limb Orthoses: Charles L. McDowell 10-22(404-405)
Immediate Postoperative Prostheses Research Study
— Contractor Reports, Prosthetics Research Study, Seattle, Washington 10-21(126-127)
Immediate Postoperative Upper-Limb Orthoses
— Developmental Requirements 10-22(404)
— Patient Care Requirements 10-22(405)
— Results 10-22(405)
In Vivo Loading on Knee Joint Replacement: Albert H. Burstein, Victor H. Frankel and E.B. Marsolais 10-22(193-199)
Index to the Bulletin of Prosthetics Research
— 10-1 – 10-20 10-21(189-420)
Indoor/Outdoor Wheelchair
— System Description 10-22(333-336)
Influence of Input and Gain Values Upon Electroacoustic Properties of Hearing Aids
— Contractor Reports, BioCommunications Laboratory, University of Maryland, College Park, Maryland 10-21(166-167)
Instrumented Hip Nail 10-22(193-195)
Introductory Remarks, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974: Thomas J. Radley 10-22(9)
Isotorque Ankle Dorsiflexor, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(106-107)
Javits, Jacob R., U.S. Senator
— Recipient of 1974 Migel Medal, Notes and News 10-22(526-527)
Johns Hopkins Applied Physics Laboratory Prosthesis
— VAPC Research 10-22(473)
Johns Hopkins University, Applied Physics Laboratory, Silver Spring, Maryland, Contractor Reports
— Externally Powered Upper Limb Prosthesis 10-21(128-136)
Johns Hopkins Upper Limb Orthotic Research
— Powered Orthoses 10-22(241-242)
Johns Hopkins Upper Limb Prosthesis Research
— Basic Concepts 10-22(237-238)
— Design Concepts 10-22(238-240)
— Low Force Level Shoulder Control 10-22(239-240)

— Motor Electronic Components 10-22(240-241)
— Single Site EMG Sensor 10-22(238)
— Skin Motion Sensor 10-22(240)
Johns Hopkins Prosthetics Research
— Control Input Sensor Development 10-22(242-244)
Kinney, Richard
— Biography of the Executive Director of the Hadley School for the Blind, Notes and News 10-21(176)
Knee-Ankle Orthoses
— Orthotics Workshop 10-22(500)
Knee Brace
— Recent Patents, Harris L. Gardner 10-22(528)
Knee Disarticulation
— Lower Limb Prosthetics Workshop 10-22(493)
Knee Joint Prosthesis
— Component Design 10-22(195-196)
— Electronic Components 10-22(197-199)
Knee Orthoses
— Orthotics Workshop 10-22(500)
Kroes, William Jacobus
— Page Turning Device, Recent Patents 10-22(529)
Krouskop, Thomas, A.
— Cosmetic Covers for Lower-Limb Prostheses (Krouskop, T.A., Newell, P.H., Jr., and Leavitt, S.A.) 10-22(411-414)
LaNoue, Alcide M.
— Controlled Early Ambulation of Heel Surface Defects Covered by Pedicle Flaps in Lower Limb Amputees (Herndon, James H., LaNoue, Alcide M., and Frileck, Stanley P.) 10-21(9-22)
Laser Cane
— Design Criteria 10-22(443-444)
— C-5 Prototype Design 10-22(446)
Laser Cane: J. Malvern Benjamin, Jr. 10-22(443-450)
Lauer, Harvey
— Current State of the Research Effort at Veterans Administration Hospital, Hines, Illinois (Malamazian, J.D. and Lauer, H.) 10-22(451-457)
— Reading Aids for the Blind 10-22(64-72)
Leavitt, Lewis A.
— Cosmetic Covers for Lower-Limb Prostheses (Krouskop, T.A., Newell, P.H., Jr., and Leavitt, L.A.) 10-22(411-414)
— Safety During Mobility (McDermott, M., Jr., Newell, P.H., Jr., and Leavitt, L.A.) 10-22(388-390)
Lee, Bok Y.
— Hemodynamic Evaluation in Selection of Amputation Level

10-22(85-104)
Leg Prosthesis with Resiliently Mounted Stump Socket
— Recent Patents, Theodor Trumpler 10-21(178)
Lentini, Richard
— Transcutaneous Nerve Stimulation for Treatment of Pain in Spinal-Cord-Injured Patients (Davis, R. and Lentini, R.) 10-22(298-301)
Lewis, Earl A.
— The First Ten Years—An Index 10-21(1-2)
Liberson Functional Electrical Stimulation
— VAPC Research 10-22(471)
Lift Device
— Recent Patents, John H. Fowler 10-21(178)
Lipskin, Ronald
— Trends in Nonlicensed Mobility Aids 10-22(41-52)
— VA Prosthetics Center Program for Electric Wheelchairs and Other Nonlicensed Mobility Aids 10-22(326-336)
Locomotion and Lower-Limb Prosthetics: Charles W. Radcliffe 10-22(167-187)
Lontz, John F.
— Current Status—Prosthetic Materials for Maxillofacial Reconstruction 10-22(408-409)
Low Vision Aids
— Sensory Aids Workshop 10-22(510)
Lower Extremity Fitting Procedures
— Contractor Reports, University of Miami School of Medicine, Miami, Florida 10-21(136-137)
Lower Limb Cosmetic Covers
— Development and Fabrication 10-22(412-414)
Lower Limb Orthotics
— Review of the State of the Art 10-22(26-30)
— VAPC Research Report 10-21(77-78)
Lower Limb Prosthetic Devices
— Contractor Reports, Biomechanics Laboratory, University of California at Berkeley 10-21(123-126)
Lower Limb Prosthetic Requirements
— Adjustable Prosthetic Feet 10-22(23)
— Insufficient Stance Security 10-22(23)
— Prosthetic Skin 10-22(23)
— Socket Interface Materials 10-22(23)
— Voluntary Knee Control System 10-22(23)
Lower Limb Prosthetics
— VAPC Research Report 10-21(70-74)
Lower Limb Prosthetics Workshop

— General Recommendations 10-22(494-495)
Lower Limb Prosthetics Workshop: Douglas A. Hobson 10-22(490-495)
Lyman, John
— Studies Toward a Practical Computer-Aided Arm Prosthesis System (Lyman, J., Freedy, A., and Solomonow, M.) 10-22(213-225)
— Upper Limb Prosthetics Workshop 10-22(503-508)
McDermott, Make, Jr.
— Safety During Mobility (McDermott, M., Jr., Newell, P.H., Jr., and Leavitt, L.A.) 10-22(388-390)
McDowell, Charles L.
— Immediate Postoperative Application of Upper-Limb Orthoses 10-22(404-405)
Machine Forming of Plastic Sockets
— VAPC Research 10-22(471)
Malamazian, John D.
— Current State of the Research Effort at Veterans Administration Hospital, Hines, Illinois (Malamazian, J.D. and Lauer, H.) 10-22(451-457)
Marsolais, E.B.
— In Vivo Loading on Knee Joint Replacement (Burstein, A.H., Frankel, V.H., and Marsolais, E.B.) 10-22(193-199)
Mathematical Approach to Stress 10-22(134)
Mauch, Hans A.
— Cosmetic Covers for Lower-Limb Prostheses 10-22(410)
— The Development of Artificial Limbs for Lower Limbs 10-22(158-166)
— The Development of Personal Reading Machines for the Blind (Mauch, H.A. and Smith, G.C.) 10-22(427-432)
Mauch Laboratories, Dayton, Ohio, Contractor Reports
— Development and Evaluation of a Personal Reading Machine for the Blind 10-21(158-160)
— S-N-S (Swing and Stance) Control System for Above Knee Amputees 10-21(118-121)
Maxillofacial Reconstruction
— Materials and Tests 10-22(408)
— Research Results 10-22(408-409)
— Test Method 10-22(408)
Mehr, Edwin B.
— Experience with Closed Circuit Television in the Blind Rehabilitation Program of the Veterans Administration (Mehr, Edwin B., Frost, Alan B., and Apple, Loyal E.) 10-21(54-68)
Mercy Lift, Illustrated—Clinical Evaluation

— VAPC Research Report 10-21(101-102)
Meyer, Paul R.
— Spinal-Cord-Injured Patient Workshop 10-22(513-516)
Miami, Florida, VA Hospital, Contractor Reports
— Spinal-Cord-Injury Studies 10-21(146-147)
Microfiche Reader—Pneumatic Control
— VAPC Research Report 10-21(91-92)
Microfilm Reader—Breath Controlled, Illustrated
— VAPC Research Report 10-21(92-93)
Mobile Bed/Wheelchair
— Design Features 10-22(371-372)
— Developmental Objectives 10-22(370-371)
— Fabrication 10-22(372-376)
Mobile Bed/Wheelchair Development: Jacquelin Perry and James Allen 10-22(370-376)
Mobility Aids
— Spinal-Cord-Injury Patient Workshop 10-22(514)
Mobility Aids and Environmental Controls
— VAPC Research Report 10-21(81-97)
Mobility Aids for the Blind
— Binaural Sensory Aid for the Blind 10-22(75-76)
— Current State of the Art 10-22(74-78)
— Laser Typhlocane 10-22(75)
— Lindsay Russell Pathsounders 10-22(76-77)
— Mims Seeing Aid 10-22(77)
— Mowat Sonar Sensor 10-22(77)
— Veterans Administration Requirements 10-22(73-74)
Mobility Aids for the Blind: Howard Freiberger 10-22(73-78)
Mobility Enginerring and Development, Inc., Playa Del Rey, California, Contractor Reports
— Passenger Safety in Vehicles for the Handicapped 10-21(145-146)
Mobility Safety
— Driving System 10-22(388-390)
— Entry-Exit System 10-22(388-390)
— Seating and Restraint Systems 10-22(388-390)
— Vehicle Safety Features 10-22(389-390)
Modified Vans
— Control Systems 10-22(377-378)
— Driver Seating 10-22(379)
— Drivers Seat Requirements 10-22(379)
— Seat Design Progress 10-22(379-386)
— Seating Design 10-22(386-387)
Moore, Wesley S.

— Skin Blood Flow and Healing 10-22(105-108)
Motorette 24-Volt Power Package for Wheelchairs, Illustrated — Clinical Evaluation
— VAPC Research Report 10-21(99-101)
Motorized Litters, Illustrated
— VAPC Research Report 10-21(90-91)
Motorized Wheelchair
— Recent Patents, Donald Chisholm 10-22(528)
Motorized Wheelchair Drive
— Recent Patents, Ben J. Rosenthal 10-21(178)
Multifunction Mobility Aids 10-22(49-52)
Murphy, Eugene F.
— Administrative Aspects 10-22(487)
— Basic Theme of Cooperation 10-22(1-4)
— Current State of the Effort: Amputation Surgery and Prosthetics 10-22(79-84)
— Electrical Stimulation 10-22(245-246)
— General Discussion and Closing Remarks 10-22(517-520)
— New Materials 10-22(406-407)
— Orthotics, Spinal Cord Injury, and Other Severe Disabilities 10-22(295-297)
— Preface, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974 10-22(10-12)
Neuron Regeneration
— Spinal-Cord-Injured Patient Workshop 10-22(514)
New Materials: Eugene F. Murphy 10-22(406-407)
New VA Amputee Treatment Center Opens in Denver
— Notes and News 10-22(521-522)
New York University, New York, New York, Contractor Reports
— Stump Stress Analysis 10-21(23-53)
Newell, Paul H., Jr.
— Cosmetic Covers for Lower-Limb Prostheses (Krouskop, T.A., Newell, P.H., Jr., and Leavitt, L.A.) 10-22(411-414)
— Safety During Mobility (McDermott, M., Jr., Newell, P.H., Jr., and Leavitt, L.A.) 10-22(388-390)
Nonlicensed Vehicles 10-22(41-52)
— Definition 10-22(41)
Northwestern University, Chicago, Illinois, Contractor Reports
— Prosthetic Research 10-21(121-122)
Northwestern University Prosthetics Research
— Conventional Upper Limb Prostheses 10-22(205-208)
— High Performance and Reliable Myoelectric Control 10-22(208-210)
— Historical Perspective 10-22(200-202)

— Self-Contained and Self-Suspended Upper Limb Prosthetics 10-22(204-205)
— Subconscious Control 10-22(202-204)
Northwestern University, School of Speech, Evanston, Illinois, Contractor Reports
— Development of Test Procedures for Evaluation of Binaural Hearing Aids 10-21(165-166)
Optical Aids Compared to Closed Circuit Television
— VA Blind Rehabilitation Program 10-21(66-68)
Orange, John L.
— Artificial Foot, Recent Patents 10-21(177)
Orthopedic Heel
— Recent Patents, Thomas D. Hall 10-22(529)
Orthosis for Brachial Plexus Injury, Illustrated
— VAPC Research Report 10-21(80-81)
Orthotic Devices
— Spinal-Cord-Injury Patient Workshop 10-22(514)
Orthotics
— Future Needs 10-22(35)
— Publications of Interest 10-21(181-182); 10-22(532-533)
— Review of the State of the Art 10-22(26-36)
Orthotics: Gustav Rubin and Malcolm Dixon 10-22(26-36)
Orthotics, Spinal Cord Injury, and Other Severe Disabilities: Eugene F. Murphy 10-22(295-297)
Orthotics Workshop
— General Recommendations 10-22(497-499)
Orthotics Workshop: E.E. Harris 10-22(496-502)
Ortho-Walk Orthosis
— VAPC Research 10-22(471)
Page Turning Device
— Recent Patents, William Jacobus Kroes 10-22(529)
Palo Alto, California, VA Hospital, Western Blind Rehabilitation Center
— Closed Circuit Television (CCTV) Magnifiers 10-22(461-462)
— Electronic Mobility Devices 10-22(458-460)
— Electronic Reading Machines 10-22(460-461)
Palo Alto, California, VA Hospital, Western Blind Rehabilitation Center, Contractor Reports
— Centrally Directed Clinical Application Program in Mobility and Reading Aids for the Blind 10-21(163-165)
Parapodium
— Better Accessibility 10-22(400-401)
— Description 10-22(392-393)
— Fabrication Improvements 10-22(396-399)

— Prototype Brace Development 10-22(394-395)
— Standing 10-22(400)
Parapodium for Adult Paraplegics: Martin T. Prast 10-22(391-403)
Partial Foot Amputation
— Lower Limb Prosthetics Workshop 10-22(490)
Passenger Safety in Vehicles for the Handicapped
— Contractor Reports, Mobility Engineering and Development, Inc., Playa Del Rey, California 10-21(145-146)
Patient Handling Devices
— VAPC Research 10-22(476)
Pedicle Heel Flaps
— Measuring Interface Pressures 10-21(20-21)
— Pressure Measurement 10-21(10-12)
— Shoe Inserts 10-21(20)
— Skin Breakdown 10-21(20)
— Weight Bearing Surface 10-21(10-12)
Pedorthic Foot Symposium Held in New York
— Notes and News 10-22(524)
Peizer, Edward
— VAPC Research Report 10-21(69-108)
— VA Prosthetics Center Research, Development, and Evaluation Program 10-22(469-477)
Permanently Attached Artificial Limb
— Advantages 10-22(144-145)
— Bone Interfacing 10-22(153-156)
— External Appliance 10-22(156)
— Major Problems Areas 10-22(144)
— Musculotendinous Skin Interfacing 10-22(151-153)
— Skin Interfacing 10-22(145-151)
Perry, Jacquelin
— Clinical Gait Analyzer 10-22(188-192)
— Mobile Bed/Wheelchair Development (Perry, J. and Allen, J.) 10-22(370-376)
Personal Reading Machine for the Blind
— Contractor Reports, Mauch Laboratories, Dayton, Ohio 10-21(158-160)
Peruchon, Edouard
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Pfeiffer, Erich A.
— Device for Sensing and Warning of Excessive Ambulation Force, Recent Patents 10-21(177)
Polypropylene Knee Orthosis with Supra-Patellar Suspension Strap

— VAPC Research 10-22(472)
Pope Ankle Joints
— VAPC Research Reports 10-21(78)
Powered Upper Limb Prosthesis
— Design Modifications for Cases of One Foot Disability 10-22(235)
— Design Modifications for Users of Double Amputation (Bilateral Above-Elbow Amputation) 10-22(233-234)
— EMG Actuated Subsystem 10-22(228-231)
— Simultaneous Actuation of Two Limb Functions 10-22(236)
— Toe Actuated Control 10-22(227-228)
Powered Wheelchair Controls 10-22(344)
Powered Wheelchair — Dudley Controls, Ltd.
— VAPC Research Report 10-21(94-97)
Powered Wheelchairs 10-22(343-344)
— Caster Wheels 10-22(344)
— Development Philosophy 10-22(367-368)
— Positive Steering 10-22(344)
— Reclining Wheelchairs 10-22(345)
— Supporting Surface 10-22(345)
Prast, Martin T.
— Parapodium for Adult Paraplegics 10-22(391-403)
Preface, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974: Eugene F. Murphy 10-22(10-12)
Prosthetic Research
— Contractor Reports, Northwestern University, Chicago, Illinois 10-21(121-122)
Prosthetics
— Publications of Interest 10-21(180-181); 10-22(531-532)
— Review of the State of the Art of Lower Limb Prostheses 10-22(22-23)
— Review of the State of the Art of Upper Limb Prostheses 10-22(23-24)
Prosthetics: Henry F. Gardner 10-22(22-25)
Prosthetics Research Study, Seattle, Washington, Contractor Reports
— Immediate Postoperative Prostheses Research Study 10-21(126-127)
Prout, Wesley C.
— Universal Wrist System, Recent Patents 10-22(529)
Publications of General Interest 10-21(183-185); 10-22(534-536)
Rabischong, Pierre
— Electrical Stimulation of Limbs (Rabischong, P., Bonnel, F., Dombre, E., Peruchon, E., Coiffet, P., Fournier, B., and Brebic, J.-M.) 10-22(261-290)
Radcliffe, Charles W.

— Cosmetic Covers for Lower-Limb Prostheses 10-22(415-416)
— Locomotion and Lower-Limb Prosthetics 10-22(167-187)
Radley, Thomas J.
— Introductory Remarks, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974 10-22(9)
Reading Aids
— Sensory Aids Workshop 10-22(510-511)
Reading Aids for the Blind
— Comparability of Systems 10-22(68-69)
— History 10-22(64-65)
— Optacon 10-22(65-66)
— Population and Future Needs 10-22(70-72)
— Stereotoner 10-22(66)
— Studies of Utility and Reading Rates 10-22(67-68)
Reading Aids for the Blind: Harvey L. Lauer 10-22(64-72)
Reading Machine for the Blind
— Cognodictor Breadboard Development 10-22(430-432)
— Cognodictor Features 10-22(429-430)
— Reading Machine Accessories 10-22(432)
— Speech Synthesis 10-22(440-442)
— Stereotoner Development 10-22(428-429)
— Stereotoner Evaluation 10-22(429)
— Stereotoner Features 10-22(427-428)
— Synthetic Speech 10-22(440)
Reading Machines
— VAPC Research 10-22(476)
Reading of Printed Materials by the Blind
— Contractor Reports, American Institutes for Research (AIR), Palo Alto, California 10-21(167-170)
Rehabilitating Chairs for Handicapped Persons
— Recent Patents, Karl Edvin Sixten Wrethander 10-21(179)
Reichenberger, Anton
— Automotive Aids for the Handicapped 10-22(53-54)
Remote Manipulator
— VAPC Research 10-22(472)
Remote Station Environmental Controls
— VAPC Research Report 10-21(86)
Research and Development
— Spinal-Cord-Injury Patient Workshop 10-22(515-516)
Research at the Eastern Blind Rehabilitation Center: George M. Gillispie and William De l'Aune 10-22(463-468)
Research on Hearing-Aid Design: Raymond Carhart 10-22(420-423)
Richmond, Virginia, VA Hospital, Contractor Reports
— Immediate Postoperative Application of Upper Extremity Or-

thoses 10-21(137-138)
Roehampton Wound Environment System 10-22(112)
Role of the Committee on Prosthetics Research and Development and the Committee on Prosthetic-Orthotic Education: A. Bennett Wilson, Jr. 10-22(478-486)
Rosenthal, Ben J.
— Motorized Wheelchair Drive, Recent Patents 10-21(178-179)
Royalaire Air Fluidized Bed, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(104-106)
Rubin, Gustav
— Orthotics (Rubin, G. and Dixon, M.) 10-22(26-36)
— Book Review: Spinal Cord Injuries; Comprehensive Management and Research, Sir Ludwig Guttman 10-22(530-531)
Ryan, Michael W.
— Artificial Foot Having Ankle Flexible Mount, Recent Patents 10-21(177)
SACH Foot
— Lower Limb Prosthetics Workshop 10-22(491)
Safety During Mobility: Make McDermott, Jr., Paul H. Newell, Jr., and Lewis A. Leavitt 10-22(388-390)
St. Luke's Hospital Center, New York, New York, Contractor Reports
— Acceleration of Bone Healing by Electrical Stimulation 10-21(141-142)
Saltiel Orthosis, Illustrated
— VAPC Research Reports 10-21(79)
San Francisco, California, VA Hospital, Contractor Reports
— Below Knee Amputation for Vascular Insufficiency with Immediate Postoperative Fitting of Prosthesis 10-21(128)
Sarmiento, Augusto
— Development of Refined Fitting Procedures for Lower-Limb Prostheses 10-22(114-132)
Schmeisser, Gerhard, Jr.
— Status of the Johns Hopkins Research Program on Upper Limb Prosthesis-Orthosis Power and Control System (Seamone, W. and Schmeisser, G., Jr.) 10-22(237-244)
Schwartz, Arthur
— Stand Up Wheelchair, Recent Patents 10-22(529)
Schweiger, James W.
— Current Status—Prosthetic Materials for Maxillofacial Reconstruction (Schweiger, J.W. and Lontz, L.F.) 10-22(408-409)
SCOPE System
— VAPC Research 10-22(475)
Scott, Charles M.
— Driver Safety in Modified Vans 10-22(377-387)

— Hydraulic Flexion Control Device, Recent Patents 10-22(528)
Scott, Walter L.
— Tactile Sensing Means for Prosthetic Limbs, Recent Patents 10-21(179)
Seamone, Woodrow
— Status of the Johns Hopkins Research Program on Upper Limb Prosthesis-Orthosis Power and Control System (Seamone, W. and Schmeisser, G., Jr.) 10-22(237-244)
Search for Better Limbs: Prosthetics Research at Northwestern University: Dudley S. Childress, John N. Billock, and Robert G. Thompson 10-22(200-212)
Sele, George J.F.
— Medical Appliance, Recent Patents 10-21(178)
Senator Jacob K. Javits and Alexander F. Handel, Recipients of 1974 Migel Medal, Notes and News 10-22(526-527)
Sensory Aids
— Publications of Interest 10-21(182-183), 10-22(533-534)
Sensory Aids: Howard A. Freiberger 10-22(417-419)
Sensory Aids Excerpts on Tape Cassettes 10-21(187); 10-22(539-540)
Sensory Aids Workshop: A. Bennett Wilson, Jr. 10-22(509-512)
Sensory Feedback for Upper Limb Prosthesis
— Electronics 10-22(253-255)
— Functional Testing 10-22(256-257)
— Problems 10-22(256)
— Prosthesis Construction 10-22(252-253)
— Prosthetic Response and Acceptance 10-22(256)
— Surgical Procedure for Electrode Fitting 10-22(251-252)
— System Description 10-22(247-251)
— Testing Response 10-22(252)
Sensory Feedback System for an Upper-Limb Amputation Prosthesis: Frank W. Clippinger, Roger Avery, and Bert R. Titus 10-22(247-258)
Shaping the Future—Workshop Panel Discussions: Anthony Staros 10-22(488)
Shear Stress
— Definition 10-22(135)
— Load Application 10-22(139)
— Socket Design 10-22(136), 10-22(140-142)
Skin Blood Flow
— Amputation Level Determination 10-22(105-106)
Skin Blood Flow and Healing: Wesley S. Moore 10-22(105-108)
Skin Blood Flow Research
— Future Plans 10-22(108)
Skin Pressure Problems

— Spinal Cord Injury Patient Workshop 10-22(514)
Smith, Glendon C.
— The Development of Personal Reading Machines for the Blind (Mauch, H.A. and Smith, G.C.) 10-22(427-432)
S-N-S (Swing and Stance) Control System for Above Knee Amputees
— Contractor Reports, Mauch Laboratories, Inc., Dayton, Ohio 10-21(118-121)
S-N-S Mechanical System
— System Description 10-22(159-160)
S-N-S System
— System Description 10-22(158-159)
Solomonow, Moshe
— Studies Toward a Practical Computer-Aided Arm Prosthesis System (Lyman, J., Freedy, A., and Solomonow, M.) 10-22(213-225)
Spasticity Reduction by Electrical Stimulation
— Bilateral Peroneal Nerve Stimulator 10-22(303-306)
— Cerebral Spasticity 10-22(306-308)
— Current Management of Spasticity 10-22(302)
— Electrically Exercised Muscles 10-22(303)
Special Vans Driven by Paralyzed Vets from N.Y.C. to Washington, D.C.
— Notes and News 10-22(522-524)
Spinal-Cord-Injured Patient Workshop: Paul R. Meyer 10-22(513-516)
Spinal Cord Injuries; Comprehensive Management and Research: Sir Ludwig Guttman
— Book Review: Gustav Rubin 10-22(530-531)
Spinal Cord Injury
— Classifications of Chronic Pain 10-22(298-299)
— Nerve Stimulators 10-22(298)
— Powered Wheelchair 10-22(43-46)
— Results of Transcutaneous Nerve Stimulation 10-22(300-301)
— Statistics 10-22(38)
Spinal Cord Injury Studies
— Contractor Reports, VA Hospital, Miami, Florida 10-21(146-147)
Spinal Orthotics
— Review of the State of the Art 10-22(31-35)
Spinal Support Studies 10-22(185-187)
Stand Up Wheelchair
— Recent Patents, Charles M. Weant and Arthur Schwartz 10-22(529)
Standard Vans for Wheelchair Drivers 10-22(339-340)
Staros, Anthony
— Current State of the Art, Needs of the VA 10-22(13-14)

— Shaping the Future—Workshop Panel Discussions 10-22(488)
— VAPC Research Report 10-21(69-108)
— Workshop Panel Discussions 10-22(488)
Statistical Analysis of Two Below Knee Amputation Groups 10-22(106-107)
Statistics—Spinal Cord Injury 10-22(38)
Status of the Johns Hopkins Research Program on Upper Limb Prosthesis-Orthosis Power and Control System: Woodrow Seamone and Gerhard Schmeisser, Jr. 10-22(237-244)
Stereotoner Audible Output Reading Aid
— Training 10-22(433-435)
Stewart, Robert E.
— Appointed Honorary Member of AAOS, Notes and News 10-21(174)
Studies Toward a Practical Computer-Aided Arm Prosthesis System: John Lyman, Amos Freedy, and Moshe Solomonow 10-22 (213-225)
Stump Stress Analysis
— Contractor Reports, New York University, New York, New York 10-21(23-53)
Surgery
— Publications of Interest 10-22(534)
Surgery and Orthotics 10-22(19-21)
Surgery and Prosthetics
— Amputation Stumps in the Lower Limb 10-22(16-19)
— Amputation Stumps in the Upper Limb 10-22(19)
— Immediate Postsurgical Prosthetic Fitting 10-22(15)
Surgery as Related to Prosthetics and Orthotics: Ernest M. Burgess 10-22(15-21)
Survey of Implanted Electrodes: Michael H. Chase 10-22(259-260)
Syme Amputation
— Lower Limb Prosthetics Workshop 10-22(490-491)
Teaching the Stereotoner; Its Problems and Rewards: Margaret Butow 10-22(433-435)
Telemetry for Environmental Controls
— VAPC Research 10-22(475)
Telescopic Mouth Instrument, Illustrated
— VAPC Research Report 10-21(93-94)
Telescopic Stick for Paralytics
— Recent Patents, Arthur J. Cloran 10-22(529)
Temple University School of Dentistry, Philadelphia, Pennsylvania, Contractor Reports
— Maxillofacial Restorative Biomaterials and Techniques 10-21(143-145)
Texas A&M University, College of Engineering, College Station,

Texas, Contractor Reports
— Automotive Driving Aids 10-21(138-139)
Theradyne Electromatic Wheelchair, Illustrated—Clinical Evaluation
— VAPC Research Report 10-21(105-106)
Theradyne Marquis Wheelchair—Clinical Evaluation
— VAPC Research Report 10-21(106)
Thompson, Robert G.
— Search for Better Limbs: Prosthetics Research at Northwestern University (Childress, D.S., Billock, J.N., and Thompson, R.G.) 10-22(200-212)
Titus, Bert R.
— Sensory Feedback System for an Upper-Limb Amputation Prosthesis (Clippinger, F.W., Avery, R., and Titus, B.R.) 10-22(247-258)
Transcutaneous Nerve Stimulation for Treatment of Pain in Spinal-Cord-Injured Patients: Ross Davis and Richard Lentini 10-22(298-301)
Transferring Load to Flesh: Leon Bennett 10-22(133-143)
Transferring Load to Flesh, Part VII.—Gel Liner Effects: Leon Bennett 10-21(23-53)
Trends in Nonlicensed Mobility Aids: Ronald Lipskin 10-22(41-52)
Trumpler, Theodor
— Leg Prosthesis with Resiliently Mounted Stump Socket, Recent Patents 10-21(178)
Tube Couplings for Modular Prostheses 10-22(185)
Twenty-Five Years of Progress: Monroe J. Gershenson and Wilfred G. Holsberg 10-21(3-8)
UC-BL Four-Bar Linkage Polycentric Knee
— VAPC Research 10-22(470)
UC-BL Four-Bar Polycentric Pneumatic Knee 10-22(184)
UC-BL Shank Axial-Rotation Device 10-22(184)
UC-BL Shank Torque Absorber
— VAPC Research 10-22(470)
UC-BL Six-Bar Linkage Knee Disarticulation Prosthesis 10-22(184-185)
UCLA Experimental Arm Prosthesis
— Clinical Application 10-22(224-225)
— Computer-Aided Control 10-22(220-221)
— Electronic Support System 10-22(219)
— EMG Pattern Control Technique 10-22(221-222)
— Evaluation of Various Electrodes 10-22(217-219)
— Implementable Microcomputer 10-22(223-224)
— Mechanical Construction 10-22(213-216)
— Sensory Feedback 10-22(216-217)

UC Powered Variable Height Wheelchair (PRAHN)
— Geometric and Functional Description 10-22(349-363)
UC PRAHN Wheelchair
— Developmental Problems 10-22(363-366)
— Proposed Future Work 10-22(366-367)
Universal Wrist System
— Recent Patents, Wesley L. Prout 10-22(529)
University of California at Berkeley, Biomechanics Laboratory, Contractor Reports
— Lower Limb Prosthetic Devices 10-21(123-126)
— Variable Height Wheelchair 10-21(126)
University of California at Los Angeles, Brain Information Service, Contractor Reports
— Clinical Application of Electrode Implantation in the Human Body 10-21(147-148)
University of California at Los Angeles, School of Engineering and Applied Science, Contractor Reports
— Upper Extremity Externally Powered Prostheses 10-21(122-123)
University of California Variable Height Wheelchair 10-22(347-349)
University of Maryland, BioCommunications Laboratory, College Park, Maryland, Contractor Reports
— Influence of Input and Gain Values Upon Electroacoustic Properties of Hearing Aids 10-21(166-167)
University of Miami Medical School
— Initial Evaluation System for Lower Limb Orthotics and Prosthetics Cases 10-22(122-132)
— Lower Limb Prosthetic Research 10-22(114)
University of Miami School of Medicine, Miami, Florida, Contractor Reports
— Lower Extremity Fitting Procedures 10-21(136-137)
Upper Extremity Externally Powered Prostheses
— Contractor Reports, School of Engineering and Applied Science, University of California at Los Angeles 10-21(122-123)
Upper Limb Orthoses
— Orthotics Workshop 10-22(500-502)
— VAPC Research Report 10-21(79-81)
Upper Limb Orthotics
— Review of the State of the Art 10-22(30-31)
Upper Limb Prosthetic Requirements
— Improved Suspension and Control Systems 10-22(24)
— Improved Training of Patients 10-22(24)
— Interchangeability of Component Parts 10-22(24)
— Reduction of Weight and Noise Through More Efficient Electrical Components 10-22(24)

— Sophisticated Function Control 10-22(24)
Upper Limb Prosthetics
— VAPC Research Report 10-21(74-77)
Upper Limb Prosthetics—Component Development
— Upper Limb Prosthetics Workshop 10-22(505-506)
Upper Limb Prosthetics—Coordinated Control
— Upper Limb Prosthetics Workshop 10-22(504-505)
Upper Limb Prosthetics—Cosmesis
— Upper Limb Prosthetics Workshop 10-22(504)
Upper Limb Prosthetics—Maintenance and Service
— Upper Limb Prosthetics Workshop 10-22(506)
Upper Limb Prosthetics—Specialized Center
— Upper Limb Prosthetics Workshop 10-22(505)
Upper Limb Prosthetics—Voice Control
— Upper Limb Prosthetics Workshop 10-22(505)
Upper Limb Prosthetics Workshop
— Recommendations 10-22(503-504)
Upper Limb Prosthetics Workshop: John H. Lyman
— 10-22(503-508)
Urban, Ted F.
— Crutch Tip with Insert, Recent Patents 10-21(177)
VA Blind Rehabilitation Program
— Closed Circuit Television Study 10-21(55-58)
— Closed Circuit Television Study Data 10-21(59-66)
— Comparison of Optical Aids and Closed Circuit Television 10-21(66-68)
VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974
— Introductory Remarks: Thomas J. Radley 10-22(9)
— Preface: Eugene F. Murphy 10-22(10-12)
— Purpose 10-22(10-11)
— Welcoming Address: Clinton Compere 10-22(5-8)
VA Prosthetics Center Program for Electric Wheelchairs and Other Nonlicensed Mobility Aids: Ronald Lipskin 10-22(326-336)
VA Prosthetics Center Research, Development, and Evaluation Program: Edward Peizer 10-22(469-477)
Vacuum Formed Ankle-Foot Orthoses
— VAPC Research Report 10-21(77-78)
Vacuum Forming Plastic Sockets
— VAPC Research Report 10-21(72)
Vans
— VAPC Research 10-22(474)
VAPC Above Knee Endoskeletal Structures
— VAPC Research 10-22(469)

VAPC Above Knee Endoskeletal Structures, Illustrated
— VAPC Research Report 10-21(72-74)
VAPC Chin Control Unit
— System Description 10-22(331-332)
VAPC Free-Swing Electric Elbow
— VAPC Research 10-22(472-473)
VAPC Hand
— VAPC Research 10-22(473)
VAPC Home Environmental Control System Illustrated
— VAPC Research Report 10-21(83-85)
VAPC Hook
— VAPC Research 10-22(473)
VAPC Hospital Environmental Control, Illustrated
— VAPC Research Report 10-21(81-83)
VAPC Pneumatic Wheelchair Control Model II
— System Description 10-22(333)
VAPC Wireless Environmental Control, Illustrated
— VAPC Research Report 10-21(84-86)
Variable Height Powered Wheelchair 10-22(187)
Variable Height Powered Wheelchair for the Quadriplegic Driver: Don M. Cunningham 10-22(337-369)
Variable Height Wheelchair
— Contractor Reports, Biomechanics Laboratory, University of California at Berkeley 10-21(126)
Variable Seat Height Wheelchair 10-22(345-346)
Veterans Administration Hearing Aid Program 10-22(59-63)
— Types of Hearing Aids Available 10-22(61)
Veterans Administration's Spinal Cord Injury Service 10-21(39-40)
Viennatone Orthomot Myoelectric Orthosis
— VAPC Research Report 10-21(79-80)
Voice Actuation of Environmental Controls
— VAPC Research 10-22(475)
Voice Operated Environmental Controls
— VAPC Research Reports 10-21(92-93)
Voluntary Swing and Stance Control System
— System Description 10-22(164-166)
Weant, Charles M.
— Stand Up Wheelchair, Recent Patents 10-22(529)
Weber-Watkins Rotator for Lower Limb Prostheses, Illustrated
— VAPC Research 10-22(470)
— VAPC Research Report 10-21(74)
Weisgerber, Robert A.
— Development of Living Skills by the Handicapped 10-22(436-438)

Weiss, Marian
— Lectures on Management of the Spinal Cord Injured at New York VA, Notes and News 10-22(521)
Welcoming Address, VA Conference of Prosthetics and Sensory Aids Research Project Leaders, July 20-23, 1974: Clinton Compere 10-22(5-8)
West Haven, Connecticut, VA Hospital, Eastern Blind Rehabilitation Center, Contractor Reports
— Blind Rehabilitation Research 10-21(170-173)
Wheelchair Assembly and Body Supporting Insert Therefor
— Recent Patents, Lola Alson 10-22(529)
Wheelchair Drives 10-22(41-42)
Wheelchair Transfer 10-22(347)
Wilson, A. Bennett, Jr.
— Role of the Committee on Prosthetics Research and Development and the Committee on Prosthetic-Orthotic Education 10-22(478-486)
— Sensory Aids Workshop 10-22(509-512)
Workshop Panel Discussions
— Howard Freiberger 10-22(489)
— Anthony Staros 10-22(488)
Wound Healing
— Immediate Postsurgical Prosthetic Amputee Fitting 10-22(109-113)
Wound Healing: Ernest M. Burgess 10-22(109-113)
Wrethander, Karl Edvin Sixten
— Rehabilitating Chairs for Handicapped Persons, Recent Patents 10-21(179)